

Figure 1

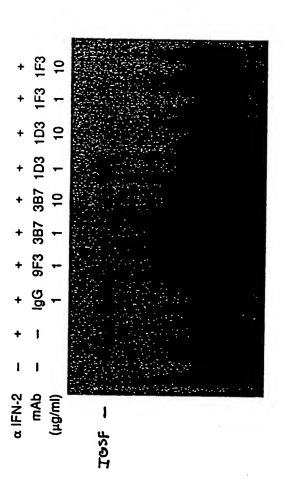
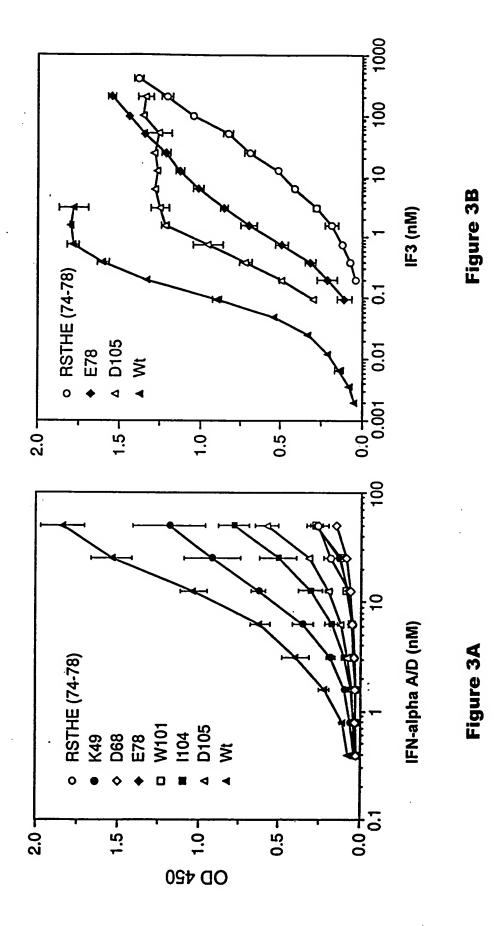


Figure 2



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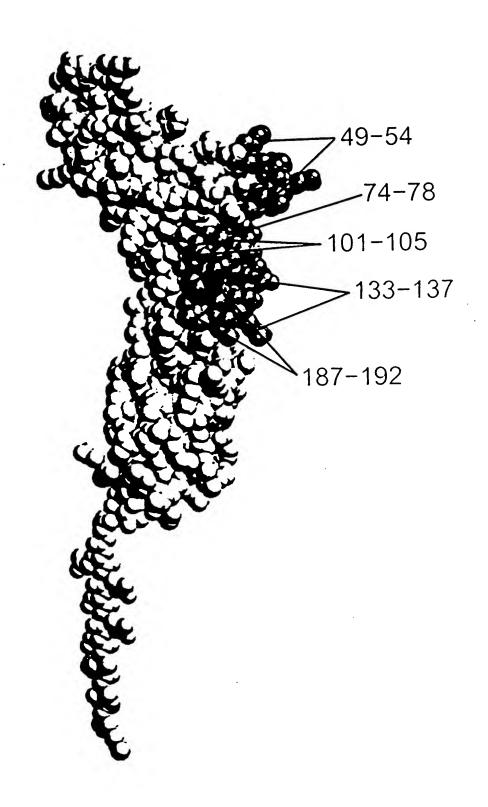


Figure 4

Ile GAATICCIAA AAATAGCAAA GAIGCITTIG AGCCAGAATG CCTTCATCGT CAGATCACTT AATITGGTIC TCAIGGIGIA TAICAGCCIC GIGITITGGIA CFTAAGGAFT TFTATCGTFF CTACGAAAAC TCGGTCFTAC GGAAGTAGCA GTCTAGTGAA TTAAACCAAG AGTACCACAT ATAGTCGGAG CACAAACCAT

## human alpha beta receptor

- s rlyras pserproasp TyrThraspd luserCysTh rPheLysIle SerLeuarga snPheargse rIleLeuser TrpGluLeuL ysasnHisser 101 TITCATATGA ITCGCCTGAT TACACAGATG AATCITGCAC ITTCAAGATA TCATTGCGAA AITTCCGGTC CATCITATCA TGGGAATTAA AAAACCACTC TTTTGGTGAG AAGCGGACTA ATGTGTCTAC TTAGAACGTG AAAGTTCTAT AGTAACGCTT TAAAGGCCAG GTAGAATAGT ACCTTAATT AAAGTATACT
- Ilevalpro ThrHisTyrT hrLeuLeuTy rThrIleMet SerLysProG luAspLeuLy sValValLys AsnCysAlaA snThrThrAr gSerPheCys CATTGCTGTA TACAATCATG AGTAAACCAG AAGATTTGAA GGTGGTTAAG AACTGTGCAA ATACCACAAG ATCATTTTGT TGAGTGATAT GTAACGACAT ATGTTAGTAC TCATTTGGTC TTCTAAACTT CCACCAATTC TTGACACGTT TATGGTGTTC CATTGTACCA ACTCACTATA GTAACATGGT 201 35

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- GACCICACAG AIGAGIGGAG AAGCACACAC GAGGCCIAIG ICACCGICCT AGAAGGAITC AGCGGGAACA CAACGIIGII CAGIIGCICA CACAAITICI
- AspLeuThrA spGluTrpAr gSerThrHis GluAlaTyrV alThrValLe uGluGlyPhe SerGlyAsnT hrThrLeuPh eSerCysSer HisAsnPheTrp GTGTTAAAGA CTGGAGTGTC TACTCACCTC TTCGTGTGTG CTCCGGATAC AGTGGCAGGA TCTTCCTAAG TCGCCCTTGT GTTGCAACAA GTCAACGAGT 301
- eAspMetSer PheGluProP roGluPheGl ulleValGly PheThrAsnH isIleAsnVa lMetValLys PheProSerI leValGluGlu 401 GGCTGGCCAT AGACATGTCT TITGAACCAC CAGAGTTTGA GATTGTTGGT TTTACCAACC ACATTAATGT GATGGTGAAA TITCCATCTA TTGTTGAGGA CCGACCGGTA TCTGTACAGA AAACTTGGTG GTCTCAAACT CTAACAACCA AAATGGTTGG TGTAATTACA CTACCACTTT AAAGGTAGAT AACAACTCCT LeuAlaIl 102
- 501 AGAATTACAG TITGATTTAT CICICGICAI IGAAGAACAG ICAGAGGGAA ITGITAAGAA GCATAAACCC GAAATAAAAG GAAACAIGAG IGGAAATTIC CTTTGTACTC ACCTTTAAAG GluLeuGln PheAspLeuS erLeuValIl eGluGluGln SerGluGlyI leValLysLy sHisLysPro GluIleLysG lyAsnMetSe rGlyAsnPhe TCTTAATGIC AAACTAAATA GAGAGCAGIA ACTICTIGIC AGICTCCCTT AACAATICIT CGIATITGGG CITTAITITC 135
- ThrTyrilei leAspLysLe uileProAsn ThrAsnTyrC ysValSerVa lTyrLeuGlu HisSerAspG luGlnAlaVa lileLysSer ProLeuLysCys 601 ACCTATATCA TTGACAAGTT AATTCCAAAC ACGAACTACT GTGTATCTGT TTATTTAGAG CACAGTGATG AGCAAGCAGT AATAAAGTCT CCCTTAAAAT GGGAATTTTTA AACTGITCAA TIAAGGITIG IGCITGAIGA CACAIAGACA AAIAAAICIC GIGICACIAC ICGIICGICA.ITAITICAGA TGGATATAGT
- ThrLeuLe uProprogly Gingluserg luserAlaGl userAlaAsp LysThrHisT hrCysProPr oCysProAla ProGluLeuL euGlyGlyPro GCACCCTCCT TCCACCTGGC CAGGAATCAG AATCAGCAGA ATCTGCCGAC AAAACTCACA CATGCCCACC GTGCCCAGCA CCTGAACTCC TGGGGGGACC TAGACGGCTG TITTGAGTGT GTACGGGTGG CACGGGTCGT GGACTTGAGG ACCCCCTGG CGTGGGAGGA AGGTGGACCG GTCCTTAGTC TTAGTCGTCT 701
- 801 GICAGICITC CICITCCCCC CAAAACCCAA GGACACCCIC AIGAICICCC GGACCCCIGA GGICACAIGC GIGGIGGIGG ACGIGAGCCA CGAAGACCCI GCTTCTGGGA Servalphe Leupheprop roLysProLy sAspThrLeu MetileSerA rgThrProGl uValThrCys ValValValA spValSerHi GAGAAGGGGG GITTIGGGIT CCIGIGGGAG IACIAGAGGG CCIGGGGACT CCAGIGIACG CACCACCACC IGCACICGGI CAGTCAGAAG 235

## **5**A Figure

268 GluvalLysP heasnTrpTy rValAspGly ValGluValH isAsnAlaLy sThrLysPro ArgGluGluG lnTyrAsnSe rThrTyrArg ValValSerVal GAGGICAAGI ICAACIGGIA CGIGGACGC GIGGAGGIGG ATAAFGCCAA GACAAAGCCG CGGGAGGAGC AGTACAACAG CACGIACCGA GIGGICAGCGC CICCAGIICA AGIIGACCAI GCACCIGCCG CACCICCACG TATTACGGTT CTGTITCGGC GCCCICCICG ICAIGINGIC GIGCAIGGCI CACCAGICGC 901 GAGGTCAAGT

LeuThrVa lLeuHisGln AspTrpLeuA snGlyLysGl uTyrLysCys LysValSerA snLysAlaLe uProAlaPro IleGluLysT hrIleSerLys CCATCTCCAA AGGAGTGGCA GGACGTGGTC CTGACCGACT TACCGTTCCT CATGTTCACG TTCCAGAGGT TGTTTCGGGA GGGTCGGGGG TAGCTCTTTT 1001 TECTCACEGT CCTGCACCAG GACTGGCTGA ATGGCAAGGA GTACAAGTGC AAGGTCTCCA ACAAAGCCCT CCCAGCCCC ATCGAGAAAA

305

CCAGTTTCCG 1101 AGCCAAAGGG CAGCCCCGAG AACCACAGGT GTACACCCTG CCCCCATCCC GGGAAGAGAT GACCAAGAAC CAGGTCAGCC TGACCTGCCT GGTCAAAGGC GICGGGGGTC TIGGIGICA CAIGIGGGAC GGGGIAGGG CCCITCICIA CIGGITCIIG GICCAGICGG ACTGGACGGA TCGGTTTCCC

Alalysgly GinProArgG luProGinVa ITyrThrLeu ProProSerA rgGluGluMe tThrLysAsn GinValSerL euThrCysLe uValLysGly 335

PheTyrProS erAspileAl aValGluTrp GluSerAsnG lyGlnProGl uAsnAsnTyr LysThrThrP roProValLe uAspSerAsp GlySerPhePhe CCGAGGAAGA GGACTCCGAC GGCTCCTTCT COCTOTAGGO GCACCTCACC CTCTCGTTAC CCGTCGGCCT CTTGTTGATG TTCTGGTGCG GAGGGCACGA CCTGAGGCTG GCGACATCGC CGTGGAGTGG GAGAGCAATG GGCAGCCGGA GAACAACTAC AAGACCACGC CTCCCGTGCT TTCTATCCCA AAGATAGGGT 368 1201

LeuTyrSe rLysLeuThr ValAspLysS erArgTrpGl nGlnGlyAsn ValPheSerC ysSerValMe tHisGluAla LeuHisAsnH isTyrThrGln TGATGTGCGT CTGCACAACC ACTACACGCA GACGTGTTGG TCCTCTACAG CAAGCTCACC GTGGACAAGA GCAGGTGGCA GCAGGGGAAC GTCTTCTCAT GCTCCGTGAT GCATGAGGCT CGTCCCCTTG CAGAAGAGTA CGAGGCACTA CGTACTCCGA GTTCGAGTGG CACCTGTTCT CGTCCACCGT AGGAGATGTC 1301

402

TCCCTGTCTC CGGGTAAATG AGTGCGACGG CCCTAGAGTC GACCTGCAGA AGCTTAGAAC CGAGGGGCCG CCATGGCCCA ACTTGTTTAT CITCICGGAG AGGGACAGAG GCCCAITTAC TCACGCTGCC GGGATCTCAG CTGGACGTCT TCGAATTG GCTCCCCGGC GGTACCGGGT TGAACAAATA GAAGAGCCTC 1401

(SEQ ID NO.26) LysserLeu SerLeuSerP rodlyLysOP \* 435

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CCGCCTITCT TGGTCGACAC CTTACACACA GTCAATCCCA CACCTTTCAG GGGTCCGAGG GGTCGTCCGT CTTCATACGT TTCGTACGTA GAGTTAATCA 1701 GGCGGAAAGA ACCAGCTGTG GAATGTGTGT CAGTTAGGGT GTGGAAGTC CCCAGGCTCC CCAGCAGGCA GAAGTATGCA AAGCATGCAT CTCAATTAGT

GICGITGGIC CACACCITIC AGGGGICCGA GGGGICGICC GICTICATAC GITICGIACG TAGAGITAAI CAGICGITGG TAICAGGGCG GGGAITGAGG CCCTAACTCC CAGCAACCAG GIGIGGAAAG ICCCCAGGCI CCCCAGCAGG CAGAAGIAIG CAAAGCAIGC AICICAATIA GICAGCAACC AIAGICCCGC 1801

## **5B**

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- gaccettitig ggaccgcaat gggttgaatt agcggaacgt cgtgtagggg ggaagcggtc gaccgcatta tcgcttctcc gggcgtggct agcgggaagg TCGCCCTTCC 2101 CTGGGAAAAC CCTGGCGTTA CCCAACTTAA TCGCCTTGCA GCACATCCCC CCTTCGCCAG CTGGCGTAAT AGCGAAGAGG CCCGCACCGA
- CCTTACGCAT CTGTGCGGTA TTTCACACCG CATACGTCAA AGCAACCATA gitgicaacg catcggactt accgcttacc gcggactacg ccataaaaga ggaatgcgta gacacgccat aaagtgtggc gtatgcagtt tcgttggtat CGCCTGATGC GGTATTTTCT TGGCGAATGG GTAGCCTGAA CAACAGTTGC 2201

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- TCCTTTCGCT CATGCGCGGG ACATCGCCGC GTAATTCGCG CCGCCCACAC CACCAATGCG CGTCGCACTG GCGATGTGAA CGGTCGCGGG ATCGCGGGCG AGGAAAGCGA TAGCGCCCGC GCCAGCGCCC TOTAGCGGCG CATTAAGCGC GGCGGGTGTG GTGGTTACGC GCAGCGTGAC CGCTACACTT GTACGCGCCC 2301
  - CGGCACCTCG aagaaagggaa ggaaagagg gtgcaagcgg ccgaaagggg cagttcgaga tttagccccc gagggaaatc ccaaggctaa atcacgaaat gccgtggagc CCTTTCTCGC CACGITCGCC GGCTTTCCCC GTCAAGCICT AAATCGGGGG CTCCCTTTAG GGTTCCGATT TAGTGCTTTA TTCTTCCCTT 2401
- TGAACTAAAC CCACTACCAA GTGCATCACC CGGTAGCGGG ACTATCTGCC AAAAAGCGGG AAACTGCAAC CTCAGGTGCA AGAAATTATC ACCCCAAAAA ACTTGATTTG GGTGATGGTT CACGTAGTGG GCCATCGCCC TGATAGACGG TTTTCGCCC TTTGACGTTG GAGTCCACGT regegititit 2501
- TICCAAACIG GAACAACACI CAACCCIAIC ICGGGCIAII CITITGAIII AIAAGGGAII IIGCCGAIII CGGCCIAIIG GIIAAAAAAI CAATTTTTA ACCTGAGAAC AAGGITTGAC CITGIIGIGA GIIGGGAIAG AGCCCGAIAA GAAAACIAAA IAITCCCIAA AACGGCIAAA GCCGGAIAAC TGGACTCTTG 2601
- GAGCTGATTT AACAAAATT TAACGCGAAT TTTAACAAA TATTAACGTT TACAATTTTA TGGTGCACTC TCAGTACAAT CTGCTCTGAT GCCGCATAGT ctcgactaaa ttgittttaa attgcgctta aaattgittt ataattgcaa atgitaaaat accacgtgag agtcatgtta gacgagacta cggcgtatca 2701
- TAAGCCAACT CCGCTATCGC TACGTGACTG GGTCATGGCT GCGCCCCGAC ACCCGCTAAC ACCCGCTGAC GCGCCCTGAC GGGCTTGTCT GCTCCCGGCA ATTCGGTTGA GGCGATAGCG ATGCACTGAC CCAGTACCGA CGCGGGCTG TGGGCGGTTG TGGGCGACTG CGCGGGACTG CCCGAACAGA CGAGGGCCGT 2801
- 2901 TCCGCTTACA GACAAGCTGT GACCGTCTCC GGGAGCTGCA TGTGTCAGAG GTTTTCACCG TCATCACCGA AACGCGGAG GCAGTATTCT TGAAGACGAA CTGTTCGACA CTGGCAGAGG CCCTCGACGT ACACAGTCTC CAAAAGTGGC AGTAGTGGCT TTGCGCGCTC CGTCATAAGA ACTTCTGCTT AGGCGAATGT
- TCCCGGAGCA CTATGCGGAT AAAATATCC AATTACAGTA CTATTATTAC CAAAGAATCT GCAGTCCACC GTGAAAAGCC CCTTTACACG CGCCTTGGGG AGGGCCTCGT GATACGCCTA TITITATAGG TTAATGTCAT GATAATAATG GTTTCTTAGA CGTCAGGTGG CACTTTTCGG GGAAATGTGC GCGGAACCCC 3001 7

101		TATTTGTTTA TTTTTCTAAA TACATTCAAA ATAAACAAAT AAAAAGATTT ATGTAAGTTT		TATGTATCG CTCATGAGAC AATAACCCIG ATACATAGGC GAGTACTCTG TTATTGGGAC	crcarcagac gagrácicrd	ANTANCCCTG TTATTGGGAC	ATAAATGCTT TATTTACGAA	CAATAATATT GTTATTATAA	GAAAAGGAA CTTTTTCCTT	CTCATACTO
201		ATTCAACATT TCCGTGTCGC TAAGTTGTAA AGGCACAGCG	CCTTATTCCC	TTTTTGCGG	CATTTTGCCT GTAAAACGGA	TCCTGTTTTT	GÉTCACCCAG CGAGTGGGTC	AAACGCTGGT TTTGCGACCA	gaaagtaaaa Ctttcatttt	gatgetgaa( Ctaegaett(
301		ATCAGITGGG IGCACGAGIG IAGICAACCC ACGIGCICAC	GGTTACATCG CCAATGTAGC	AACTGGATCT TTGACCTAGA	CAACAGCGGT GTTGTCGCCA	AAGATCCTTG	agagititicg Tctcaaaagc	CCCCGAAGAA GGGGCTTCTT	CGTTTTCCAA GCAAAAGGTT	Tgatgagca( Actactcgt(
401		TTTTAAAGTT CTGCTATGTG AAAATTTCAA GACGATACAC	GCGCGGTATT	ATCCCGTGAT	GACGCCGGGC CTGCGGCCCG	AAGAGCAACT TTCTCGTTGA	cearceccec	ATACACTATT TATGTGATAA	<b>CTCAGAATGA</b> <b>GAGTCTTACT</b>	CTTGGTTGA( GAACCAACT(
501	TACTCACCAG ATGAGTGGTC	TACTCACCAG TCACAGAAAA ATGAGTGGTC AGTGTCTTTT	GCATCTTACG CGTAGAATGC	GATGGCATGA CTACCGTACT	CAGTAAGAGA GTCATTCTCT	ATTATGCAGT TAATACGTCA	GCTGCCATAA CGACGGTATT	CCATGAGTGA GGTACTCACT	TAACACTGCG ATTGTGACGC	gccaactta( cggttgaat
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701		AGCCATACCA AACGACGAGC TCGGTATGGT TTGCTGCTCG	GTGACACCAC	GATGCCAGCA CTACGGTCGT	GCAATGGCAA CGTTACCGTT	CAACGTTGCG GTTGCAACGC	CAAACTATTA GTTTGATAAT	ACTGGCGAAC TGACCGCTTG	TACTTACTCT ATGAATGAGA	AGCTTCCCG( TCGAAGGGC
801	CAACAATTAA GTTGTTAATT	TAGACTGGAT ATCTGACCTA	GGAGGCGGAT	AAAGTTGCAG TTTCAACGTC	GACCACTTCT CTGGTGAAGA	GCGCTCGGCC	CTTCCGGCTG	GCTGGTTTAT	TGCTGATAAA ACGACTATTT	TCTGGAGCC( AGACCTCGG
901	GTGAGCGTGG	GTCTCGCGGT	ATCATTGCAG TAGTAACGTC	CACTGGGGCC GTGACCCCGG	agatggtaag Tctaccattc	CCCTCCCGTA	TCGTAGTTAT AGCATCAATA	CTACACGACG	GGGAGTCAGG CCCTCAGTCC	CAACTATGG
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101		CTTCATTTT AATTTAAAAG GAAGTAAAA TTAAATTTTC	GATCTAGGTG	AAGATCCTTT TTCTAGGAAA	TTGATAATCT AACTATTAGA	CATGACCAAA GTACTGGTTT	ATCCCTTAAC TAGGGAATTG	GTGAGTTTTC CACTCAAAAG	GTTCCACTGA	GCGTCAGAC
201		CCGTAGAAA GATCAAAGGA TCTTCTTGAG GGCATCTTTT CTAGTTTCCT AGAAGAACTC	. TCTTCTTGAG	ATCCTTTTTT TAGGAAAAA	TCTGCGCGTA	ATCTGCTGCT TAGACGACGA	TGCAAACAAA ACGTTTGTTT	AAAACCACCG TTTTGGTGGC	CTACCAGCGG	TGGTTTGTT
301		GCCGGATCAA GAGCTACCAA CGGCCTAGTT CTCGATGGTT	CTCTTTTTCC GAGAAAAAGG	GAAGGTAACT CTTCCATTGA	GGCTTCAGCA CCGAAGTCGT	GAGCGCAGAT CTCGCGTCTA	<b>ACCAAATACT</b> <b>TGGTTTATGA</b>	GTCCTTCTAG	TGTAGCCGTA	GTTAGGCCA

## Figure 5D

- 4401 CACTTCAAGA ACTCTGTAGC ACCGCCTACA TACCTGGGTC TGGTAATGCT GTTACCAGTG GCTGCTGCCA GTGGCGATAA GTCGTGTCTT ACCGGGTTGG GTGAAGTTCT TGAGACATCG TGGCGGATGT ATGGAGCGAG ACGATTAGGA CAATGGTCAC CGACGACGGT CACCGCTATT CAGCACAGAA TGGCCCAACC
- TGAGTICTGC TATCAATGGC CTATICCGCG TCGCCAGCCC GACTIGCCCC CCAAGCACGT GTGTCGGGTC GAACCTCGCT TGCTGGATGT GGCTTGACTC ACGACCTACA CTTGGAGCGA GGTTCGTGCA CACAGCCCAG GATAAGGCGC AGCGGTCGGG CTGAACGGGG ATAGTTACCG ACTCAAGACG 4501
- AGAGCGCACG TAIGGAIGIC GCACICGIAA CICITICGCG GIGCGAAGGG CIICCCICII ICCGCCIGIC CAIAGGCCAI ICGCCGICCC AGCCIIGIC ICICGCGIGC GAGAAAGCGC CACGCTTCCC GAAGGGAGAA AGGCGGACAG GTATCCGGTA AGCGGCAGGG TCGGAACAGG CGTGAGCATT ATACCTACAG 4601
- TCGCCACCTC TGACTTGAGC GTCGATTTTT GTGATGCTCG TCAGGGGGGC ICCCICGAAG GICCCCCIII GCGGACCAIA GAAAIAICAG GACAGCCCAA AGCGGIGGAG ACIGAACTCG CAGCIAAAAA CACIACGAGC AGICCCCCCG CTGTCGGGTT AGGGAGCTTC CAGGGGGAAA CGCCTGGTAT CTTTATAGTC 4701
- CCCCTGATTC cctcggatac ctttttgcgg tcgttgcgcc ggaaaatgc caaggaccgg aaaacgaccg gaaaacgagt gtacaagaaa ggacgcaata ggggactaag CCTGCGTTAT GGAGCCIATG GAAAAACGCC AGCAACGCGG CCTTTTTACG GTTCCTGGCC TTTTGCTGGC CTTTTGCTCA CATGTTCTTT 4801

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- GGAAGAGCGC GCATAATGGC GGAAACTCAC TCGACTATGG CGAGCGGCGT CGGCTTGCTG GCTCGCGTCG CTCAGTCACT CGCTCCTTCG CCTTCTCGCG TGTGGATAAC CGTATTACCG CCTTTGAGTG AGCTGATACC GCTCGCCGCA GCCGAACGAC CGAGCGCAGC GAGTCAGTGA GCGAGGAAGC ACACCTATTG 4901
- CGCAACGCAA GGGCAGTGAG CCAATACGCA AACCGCCTCT CCCCGCGCGT TGGCCGATTC ATTAATCCAG CTGGCACGAC AGGTTTCCCG ACTGGAAAGC 5001
- CATTAGGCAC CCCAGGCTTT ACACTTTATG CTTCCGGCTC GTATGTTGTG TGGAATTGTG AGCGGATAAC AATTTCACAC TTAAAGTGTG TCGCCTATTG AATTACACTC AATGGAGTGA GTAATCCGTG GGGTCCGAAA TGTGAAATAC GAAGGCCGAG CATACAACAC ACCTTAACAC TTACCTCACT TTAATGTGAG 5101
- CATTAGTTCA tccfftgicg atactggtac taatgcttaa ttaagctcga gcgggctgta actaataact gatcaataat tatcattagt taatgcccca gtaatcaagt AGGAAACAGC TATGACCATG ATTACGAATT AATTCGAGCT CGCCCGACAT TGATTATTGA CTAGTTATTA ATAGTAATCA ATTACGGGGT from pPMLCMV beginning to HindIII, enhancers and promoter 5201
- GCCCAACGAC CCCCGCCCAT TGACGTCAAT AATGACGTAT atcgggtata taccicaagg cgcaatgtat tgaatgccat ttaccgggcg gaccgactgg cgggttgctg ggggcgggta actgcagtta ttactgcata 5301 TAGCCCATAT ATGGAGTTCC GCGTTACATA ACTTACGGTA AATGGCCCGC CTGGCTGACC
- CAAGGGTATC ATTGCGGTTA TCCCTGAAAG GTAACTGCAG TTACCCACCT CATAAATGCC ATTTGACGGG TGAACCGTCA TGTAGTTCAC ATAGTATACG GITCCCATAG TAACGCCAAT AGGGACTITC CATTGACGTC AATGGGTGGA GTATTTACGG TAAACTGCCC ACTTGGCAGT ACATCAAGTG 5401
- GICAAIGACG GIAAAIGGCC CGCCIGGCAI TAIGCCCAGI ACAIGACCII AIGGGACIII CCIACIIGGC AGIACAICIA GITICATGCGG GGGATAACTG CAGTTACTGC CATTTACCGG GCGGACCGTA ATACGGGTCA TGTACTGGAA TACCCTGAAA GGATGAACCG TCATGTAGAT CAAGTACGCC CCCTATTGAC 5501

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GACTCACGGG	CTGAGTGCCC
AT GCGGTTTTGG. CAGTACATCA. ATGGGCGTGG. ATAGCGGTTT GACTCACGGG GATTTCCAAG TCTCCACCCC	coccanance ercaretate racececaec rateecana creastece craaseere agaesteges
A ATGGGCGT	T'TACCCGCA
G CAGTACATO	c greatgrad
CCGGTTTTG	CGCCAAAAC
CATGGTG	GGTACCACT
ATTATTO	CATAATCAG TAGCGATAAT GGTACCACTA CGCCA
	GCATAATCAG
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GCAPATGGG	CGTTTACCC
CCCCATTGAC	GGGGTAACTG
AACAACTCCG	TTGTTGAGGC
AAAATGTCGT	TTTTACAGCA
GGGACTTTCC	CCCTGAAAGG
CAAAATCAAC	GTTTTAGTTG
GTTTTGGCAC	CAAAACCGTG
ATGGGAGTTT	TACCCTCAAA
ATTGACGTCA	TAACTGCAGT
5701	

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GACA	CTGT
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CTGTTTTGAC	GACAAAACTG
GCCATCCACG	CGGTAGGTGC
GCCTGGAGAC	CGGACCTCTG
CCGTCAGATC	GGCAGTCTAG
GTTTAGTGAA	CAAATCACTT
AGCAGAGCTC	TCGTCTCGAG
GGTCTATATA	CCAGATATAT
5801 TACGGTGGGA GGTCTATATA AGCAGAGCTC GTTTAGT(	ATGCCACCCT CCAGATATAT TCGTCTCGAG CAAATC
5801	

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GAGTCTATAG	CTCAGATATC
ACCGCCTATA	TGGCGGATAT
TGACGTAAGT	ACTGCATTCA
GTGCCAAGAG	CACGGTTCTC
CGGATTCCCC	GCCTAAGGGG
CATTGGAACG	GTAACCTTGC
GGGAACGGTG	CCCTTGCCAC
CTCCGCGGCC	GAGGCGCCGG
CCGATCCAGC	GGCTAGGTCG
5901	

<sup>6001</sup> TIGGCTCGIT AGAACGCGGC TACAATTAAT ACATAACCIT ATGIATCATA CACATACGAT TTAGGTGACA CTATAGATA ACATCCACIT TGCCTTTCTC AACCGAGCAA TCTIGGGCCG ATGITAATTA TGTATTGGAA TACATAGTAT GTGTATGCTA AATCCACTGT GATATCTTAT TGTAGGTGAA ACGGAAAGAG sp6 RNA start sp6 promoter

(SEQ ID NO.25) 6101 TCCACAGGTG TCCACTCCCA GGTCCAACTG CAGGCCATGG CGGCCATCGA TT AGGTGTCCAC AGGTGAGGGT CCAGGTTGAC GTCCGGTACC GCCGGTAGCT AA cloning linker

Figure 5F